

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number  
**WO 2005/047192 A1**

(51) International Patent Classification<sup>7</sup>: C02F 1/50,  
F24D 17/00, E03C 1/046

(21) International Application Number:  
PCT/GB2004/004715

(22) International Filing Date:  
8 November 2004 (08.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0326208.6 11 November 2003 (11.11.2003) GB  
0326820.8 18 November 2003 (18.11.2003) GB

(71) Applicant and  
(72) Inventor: FROGGATT, Keith [GB/GB]; Brichwood-  
moor, Roston, Ashbourne, Derbyshire DE6 3EH (GB).

(74) Agent: SALES, Robert, Reginald; Swindell & Pearson,  
48 Friar Gate, Derby DE1 1GY (GB).

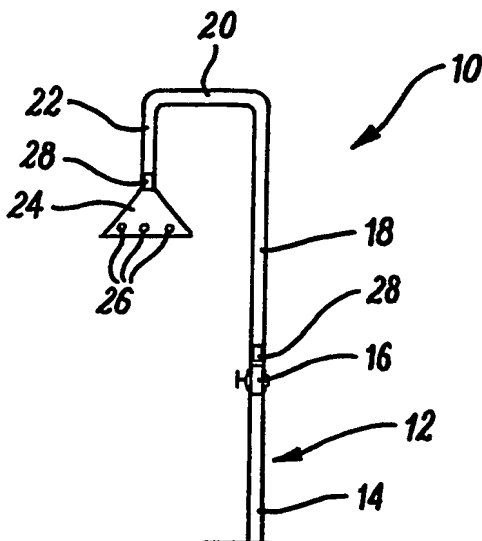
(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: WATER DISTRIBUTION SYSTEM



(57) Abstract: A shower arrangement (10) including a plurality of freely  
movable silver coated decontaminating members (26) in the shower head  
(24). Inserts (28) of a decontaminating material such as silver are pro-  
vided at each end of an upper section (18) of the stand pipe (12), with the  
decontaminating members (26) and inserts (28) substantially preventing  
build up of bacteria.

WO 2005/047192 A1